

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hiroshi TAKIGUCHI et al.

Application No.: New U.S. Patent Application

Filed: March 10, 2004

Docket No.: 119037

For: NUCLEIC ACID IMMOBILIZATION METHOD AND MANUFACTURING METHOD
OF BIOSENSOR USING SAME

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of references 4-5 is discussed in the present specification.
- ☒ 3. The present application was filed or entered the U.S. National Stage of the PCT after June 30, 2003. In accordance with the June 11, 2003, Notice waiving the requirements of 37 C.F.R. §1.98(a)(2)(i), copies of any U.S. patents and patent application publications are not attached. (Ref. 1)

Respectfully submitted,



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DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 119037		APPLICATION NO. New U.S. Patent Application	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS Hiroshi TAKIGUCHI et al.			
				FILING DATE March 10, 2004			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1	US 6,197,515 B1	03/06/2001	BAMDAD et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	2	Takiguchi, H. et al. "DNA Self-assembled Monolayers Fabricated by Coadsorption Method." Seiko-Epson Corp., AIST					
		28p-E-6, pp. 1-3					
	3	Bain, Colin D. et al. "Formation of Monolayers by the Coadsorption of Thiols on Gold: Variation in the Length of the					
		Alkyl Chain." <i>Journal of American Chemical Society</i> , 111, 1989, pp. 7164-7175					
	4	Herne, Tonya M. et al. "Characterization of DNA Probes Immobilized on Gold Surfaces." <i>Journal of American Chemical</i>					
		<i>Society</i> , 119, 1997, pp. 8916-8920					
	5	Steel, A. B. et al. "Immobilization of Nucleic Acids at Solid Surfaces: Effect of Oligonucleotide Length on Layer					
		Assembly." <i>Biophysical Journal</i> , Vol. 79, August 2000, pp. 975-981					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: March 10, 2004